

LTA status

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Lofar Status Meeting

September 16th 2015

Results

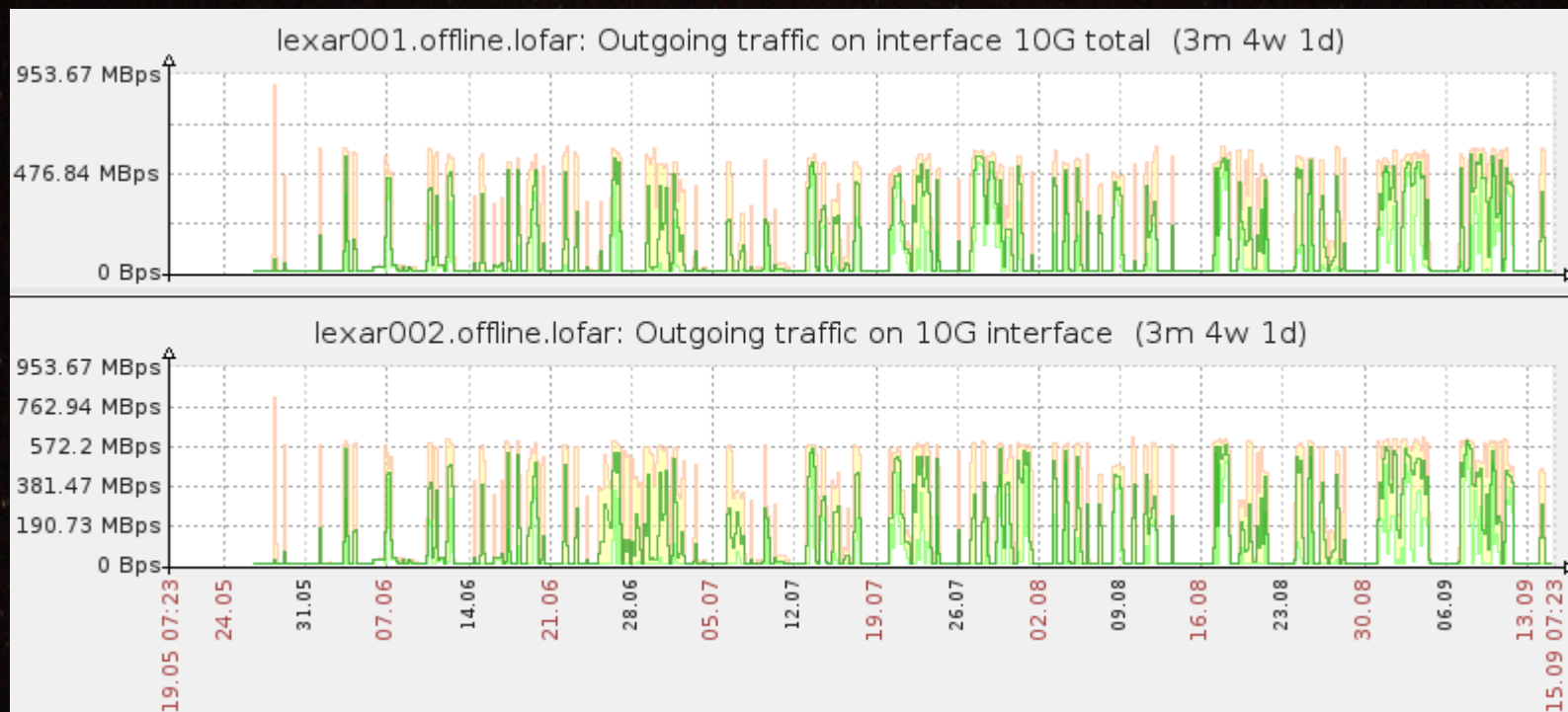
May 27th – Sept 15th

Data transferred to the LTA: 2.3 PB (0.85 Jülich / 1.45 SARA)

Data staged/retrieved from the LTA: 1.7 PB

Total stored: 20.9 PB (5.7 Jülich/13.2 SARA/2.0 Target)

Total staged: 5.2 PB + EoR + pulsar + CR + other



Improvements

In Lofar 2.12 (sep 7 2015) we simplified the software between MoM and Ingest

- Resulting in:
 - More stable & robust ingest jobs.
 - Progress monitoring (percentage & number of files)
 - Restart button to try again in case of error

Project List Query List Project Explorer Preferences Tools Admin

Copy selected Move selected Delete selected Change status Export XML Update Feedback

Project Explorer			OK	Status	
		LC4_016	Add	Details	active Fine structures in solar radio emission
		2015-08-30	Add	Details	[G577987]
		CasA_LBA_IM	Add	Details	finished [370220] CasA, LBA_outer, 30-77MHz, 16ch/sb, integration time 1.0s, interferometer
		CasA_LBA_pre	Add	Details	finished [370222] CasA, LBA_outer, 30-77MHz, 16ch/sb, integration time 0.01s
		Sun_LBA_20150830	Add	Details	finished [370224] Sun, LBA_outer, 30-77MHz, 16ch/sb, integration time 0.01s
		CasA_LBA_post	Add	Details	finished [370226] CasA, LBA_outer, 30-77MHz, 16ch/sb, integration time 0.01s
		2015-08-30	Restart	Details	finished 100.0% Ingested (433 of 433)
		2015-08-31	Add	Details	[G577998]
		2015-09-01	Add	Details	[G578000]
		2015-09-03	Add	Details	[G578020]

In Lofar 2.12 (sep 7 2015) LtaCp was improved to better handle network glitches during large transfers

- Resulting in:
 - Less retries for large file transfers
 - Overall larger transfer speed

- Monitoring:
 - We are working on tools to monitor LTA storage and staging on a daily basis presenting results in zabbix and web charts
- CEP4:
 - 4 new lexar's (ingest nodes) will be directly connected to CEP4 for fast and reliable transfers
- 'Catalogue repair/update':
 - EoR is uploading all meta-data for the unspecified dataproducts
 - For Pulsar & MSSS we would like to automate this process
- User Ingest is currently on hold, but we are looking ways to use the new ingest nodes as a single 'gateway' to the LTA for other clusters